Title: INPUT INFORMATION PROCESSING APPARATUS, METHOD AND PROGRAM
Inventor's Name: HAYAMIZU
Application No.: new
Docket No.: 108131-00003

FIG. 1

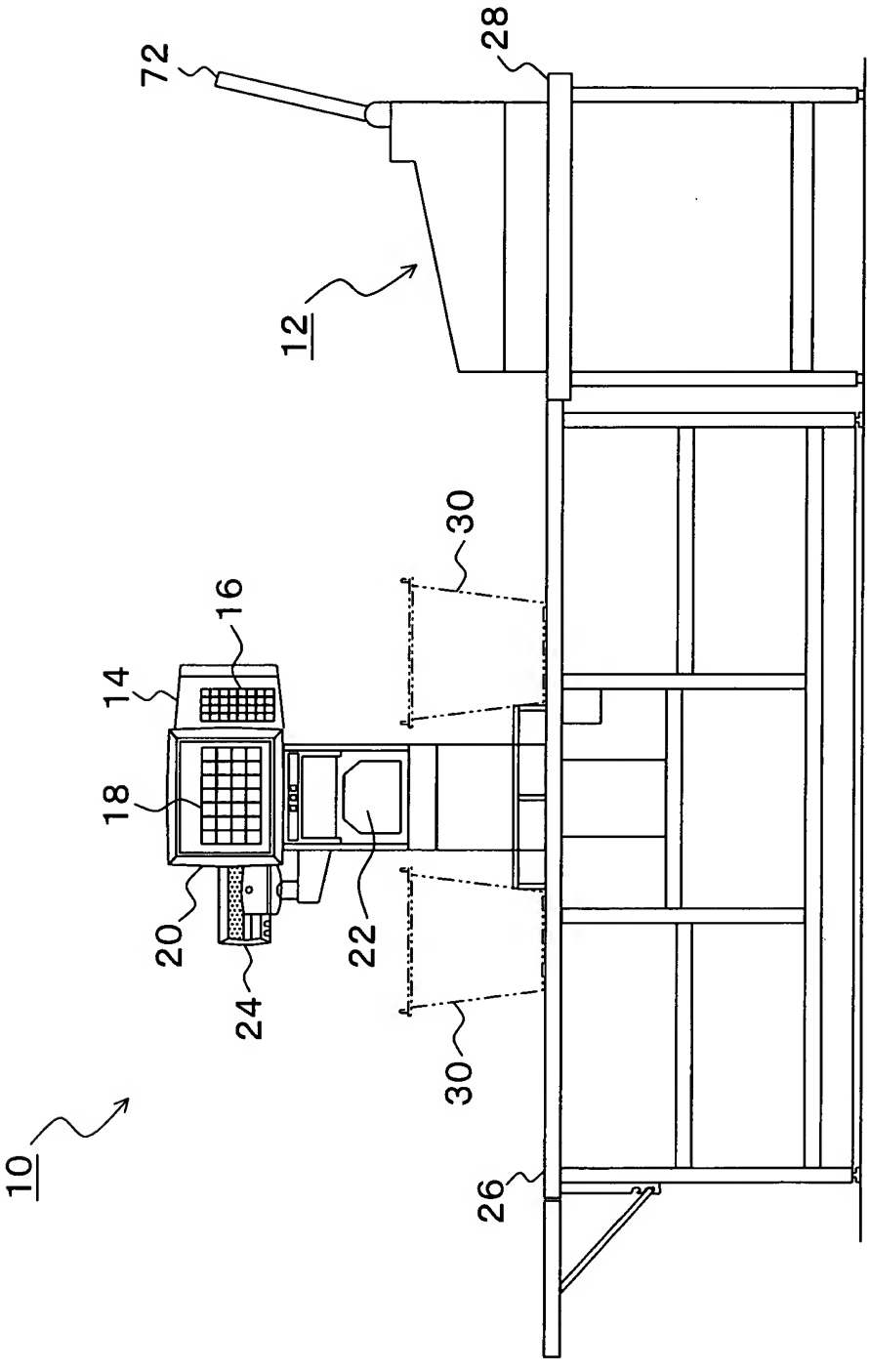


FIG. 2

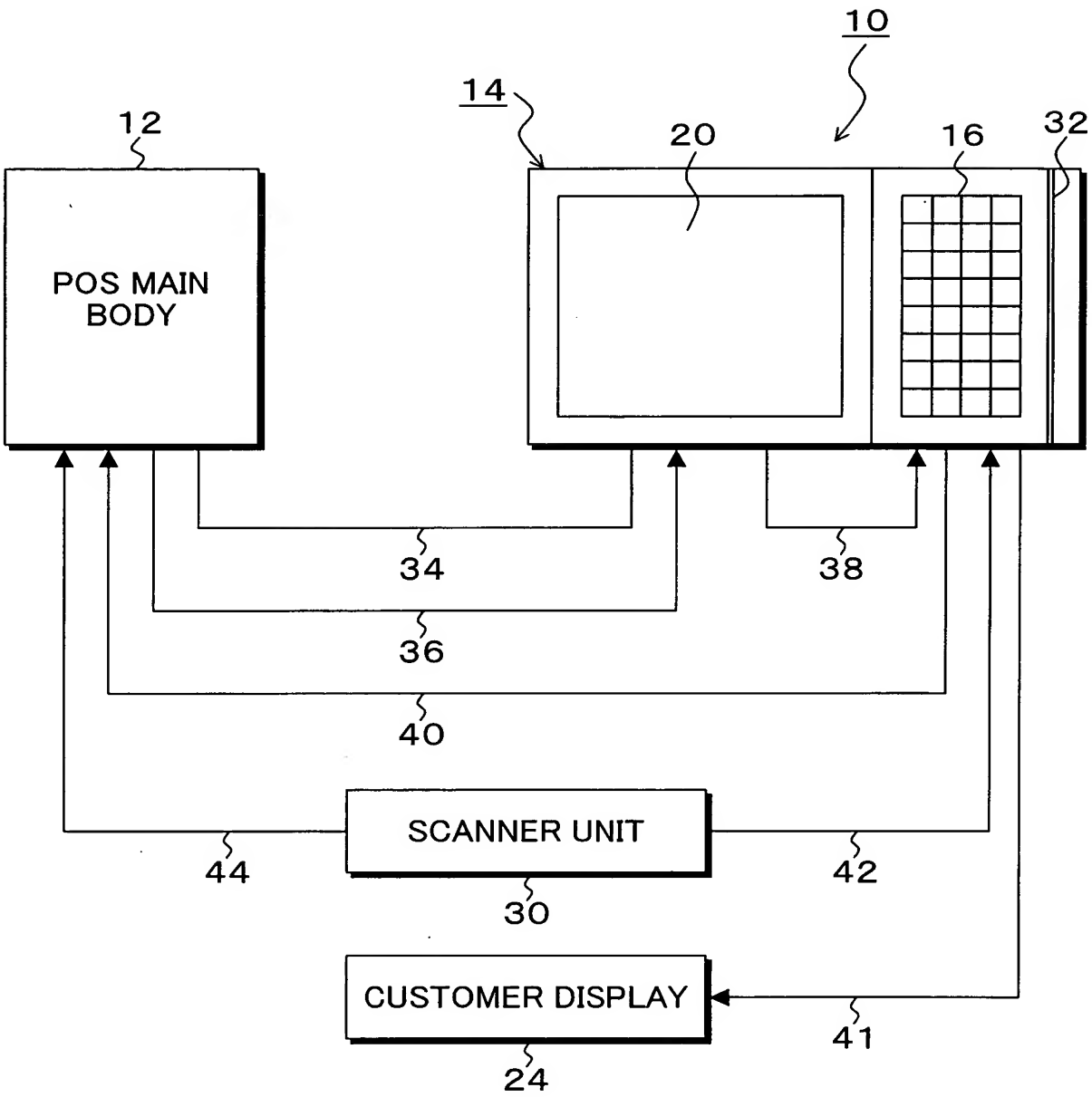

10
14
12
20
16
32
POS MAIN BODY
34
38
36
40
SCANNER UNIT
44
42
30
CUSTOMER DISPLAY
41
24

FIG. 3A

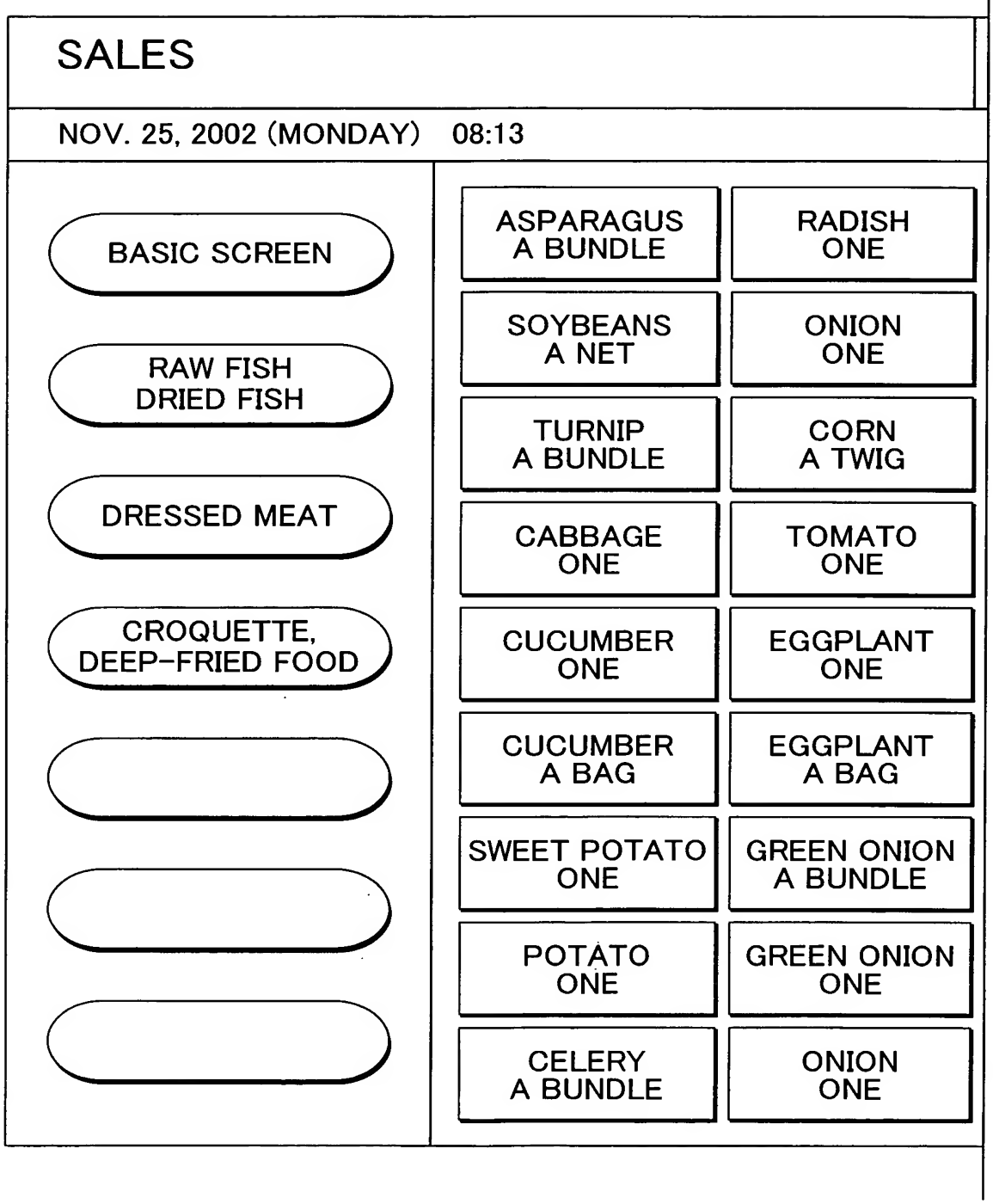

SALES
NOV. 25, 2002 (MONDAY) 08:13
BASIC SCREEN
RAW FISH
DRIED FISH
DRESSED MEAT
CROQUETTE,
DEEP-FRIED FOOD
ASPARAGUS
A BUNDLE
RADISH
ONE
SOYBEANS
A NET
ONION
ONE
TURNIP
A BUNDLE
CORN
A TWIG
CABBAGE
ONE
TOMATO
ONE
CUCUMBER
ONE
EGGPLANT
ONE
CUCUMBER
A BAG
EGGPLANT
A BAG
SWEET POTATO
ONE
GREEN ONION
A BUNDLE
POTATO
ONE
GREEN ONION
ONE
CELERY
A BUNDLE
ONION
ONE

FIG. 3B

SPIT-ROASTED EEL, SOLD LOOSE PLEASE REGISTER GOODS.	¥300
TOTAL : 1 ITEM	¥315

RAW MUSHROOM A NET	IYOKAN ONE	APPLE ONE	ROAST CHICKEN BUFFET-STYLE FLAT RATE OF 88
CARROT ONE	IYOKAN A NET	LEMON ONE	SUSHI BUFFET-STYLE
GINGER A BUNDLE	ORANGE ONE	SPIT-ROASTED EEL SOLD LOOSE	HOUSEHOLD DISH SATSUMA-AGE
GREEN PEPPER ONE	KAKI ONE	FULL-LENGTH -ROASTED EEL	HOUSEHOLD DISH ROASTED CHICKEN
GREEN PEPPER A BAG	KIWI FRUIT ONE	SHRIMP SOLD LOOSE	CHICKEN ROLL
BROCCOLI A ROOT	GRAPEFRUIT ONE	SLICED SALMON SOLD LOOSE	CHINESE SPRING ROLL BUFFET-STYLE
SPINACH A BUNDLE	PEAR ONE	RAW SQUID	FRIED CHICKEN
LETTUCE ONE	MANDARIN SOLD LOOSE	RAW SAURY SOLD LOOSE	FRIED LEG
	PEACH ONE		ROASTED LEG

FIG. 3C

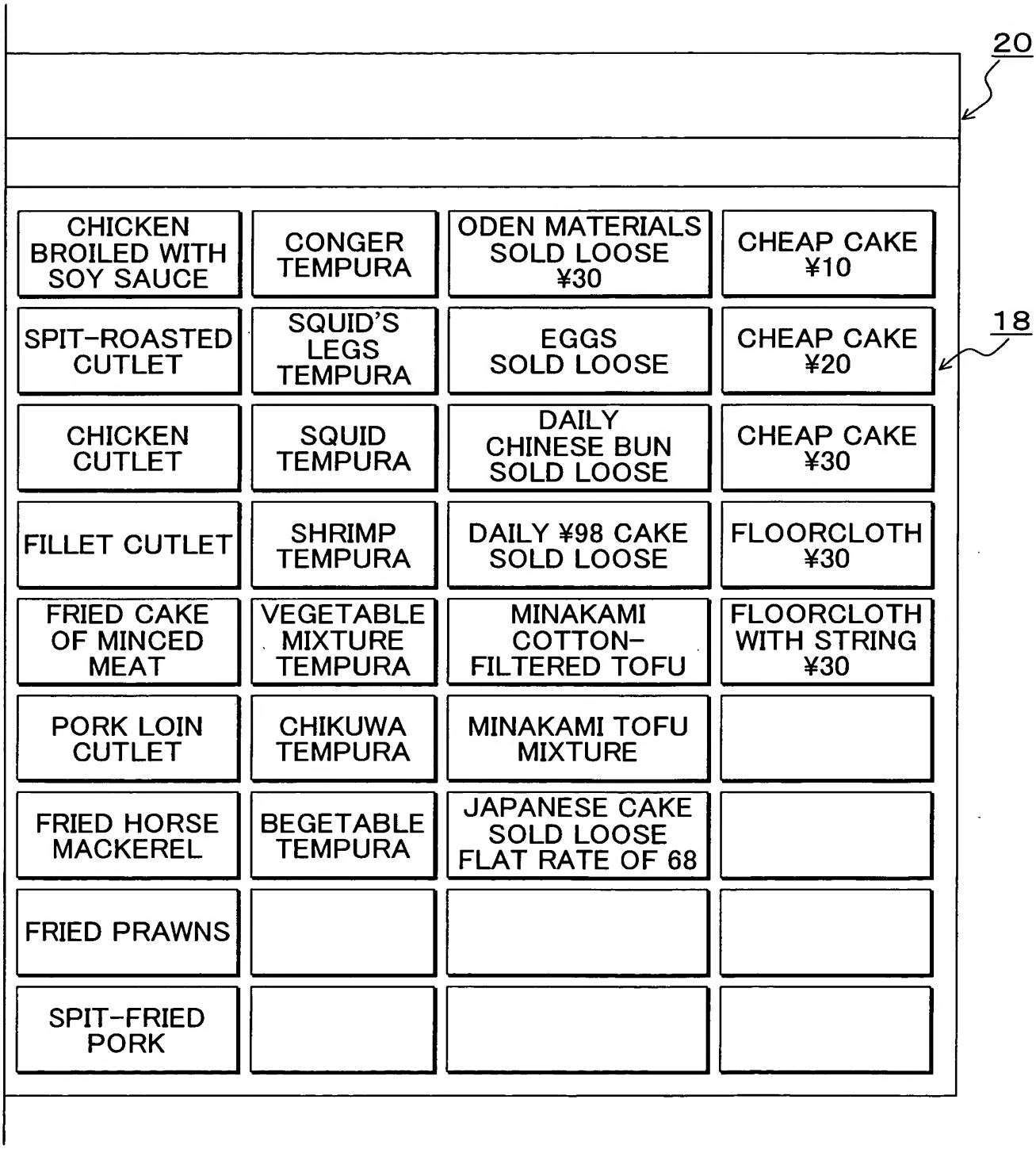

20
18
CHICKEN BROILED WITH SOY SAUCE
CONGER TEMPURA
ODEN MATERIALS SOLD LOOSE ¥30
CHEAP CAKE ¥10
SPIT-ROASTED CUTLET
SQUID'S LEGS TEMPURA
EGGS SOLD LOOSE
CHEAP CAKE ¥20
CHICKEN CUTLET
SQUID TEMPURA
DAILY CHINESE BUN SOLD LOOSE
CHEAP CAKE ¥30
FILLET CUTLET
SHRIMP TEMPURA
DAILY ¥98 CAKE SOLD LOOSE
FLOORCLOTH ¥30
FRIED CAKE OF MINCED MEAT
VEGETABLE MIXTURE TEMPURA
MINAKAMI COTTON-FILTERED TOFU
FLOORCLOTH WITH STRING ¥30
PORK LOIN CUTLET
CHIKUWA TEMPURA
MINAKAMI TOFU MIXTURE
FRIED HORSE MACKEREL
BEGETABLE TEMPURA
JAPANESE CAKE SOLD LOOSE FLAT RATE OF 68
FRIED PRAWNS
SPIT-FRIED PORK

FIG. 4A

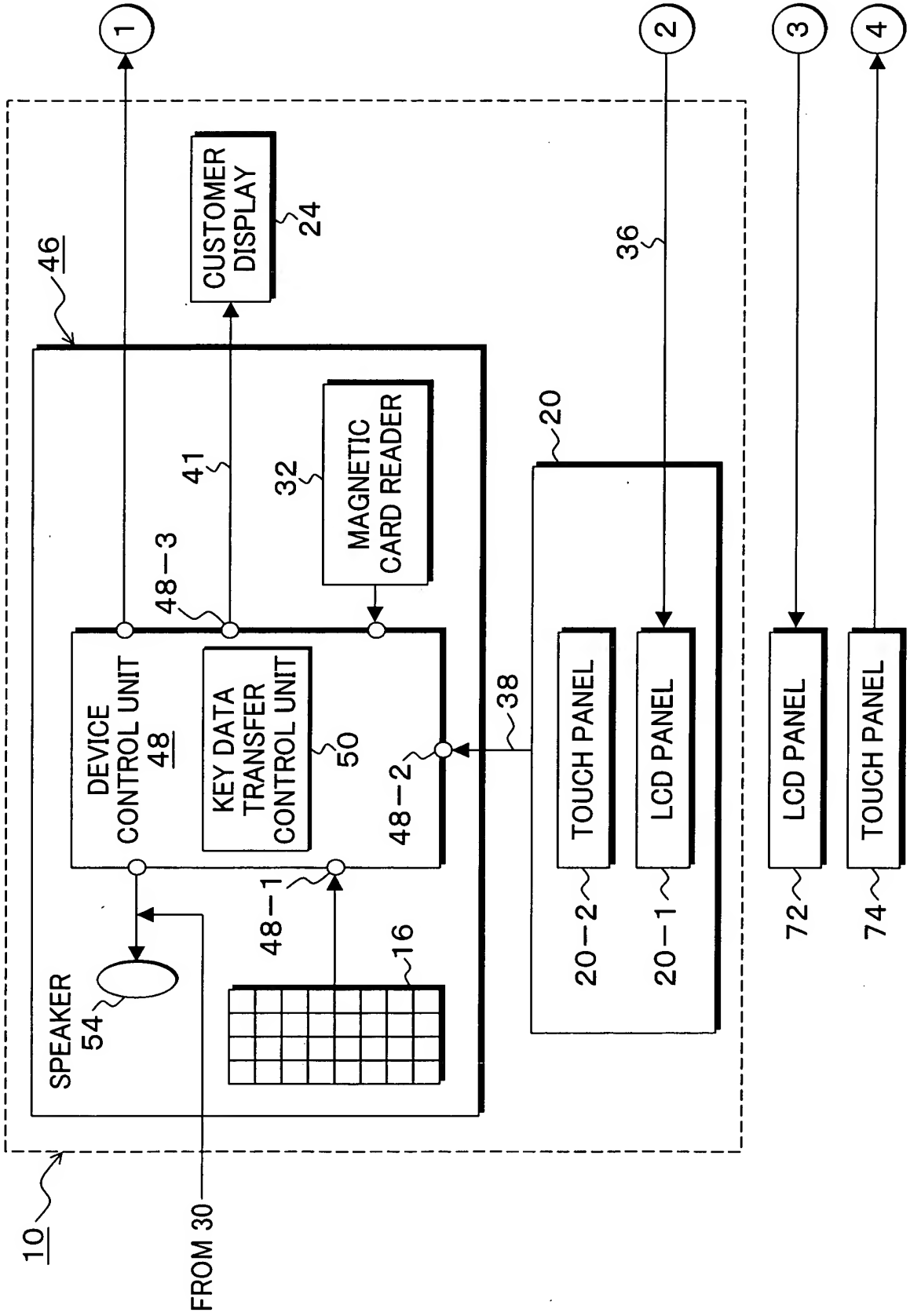
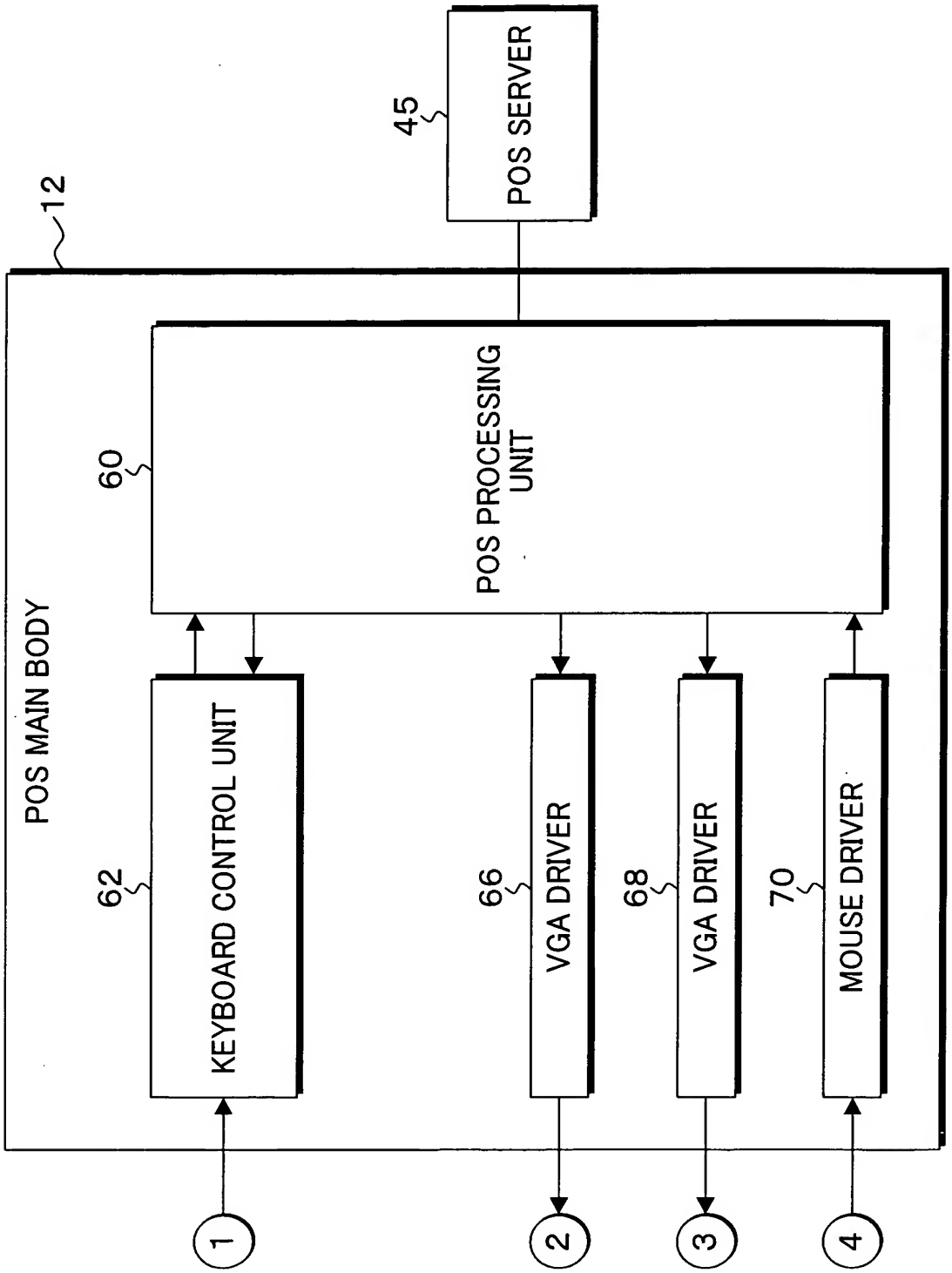

1
2
3
4
CUSTOMER DISPLAY
24
46
36
MAGNETIC CARD READER
32
41
20
48-3
DEVICE CONTROL UNIT
48
KEY DATA TRANSFER CONTROL UNIT
50
48-2
38
TOUCH PANEL
LCD PANEL
LCD PANEL
TOUCH PANEL
72
74
20-2
20-1
48-1
16
SPEAKER
54
10
FROM 30

FIG. 4B


45
POS SERVER
12
POS MAIN BODY
60
POS PROCESSING UNIT
62
KEYBOARD CONTROL UNIT
66
VGA DRIVER
68
VGA DRIVER
70
MOUSE DRIVER
1
2
3
4

Title: INPUT INFORMATION PROCESSING APPARATUS, METHOD AND PROGRAM
Inventor's Name: HAYAMIZU
Application No.: new
Docket No.: 108131-00003

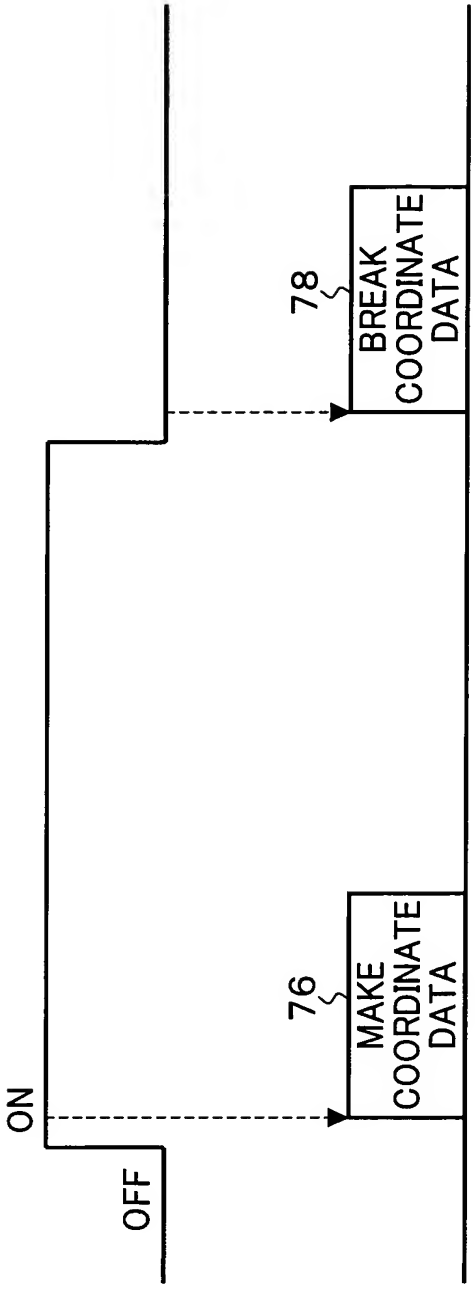


FIG. 5A
SCREEN KEY

FIG. 5B
TRANSFERRED DATA

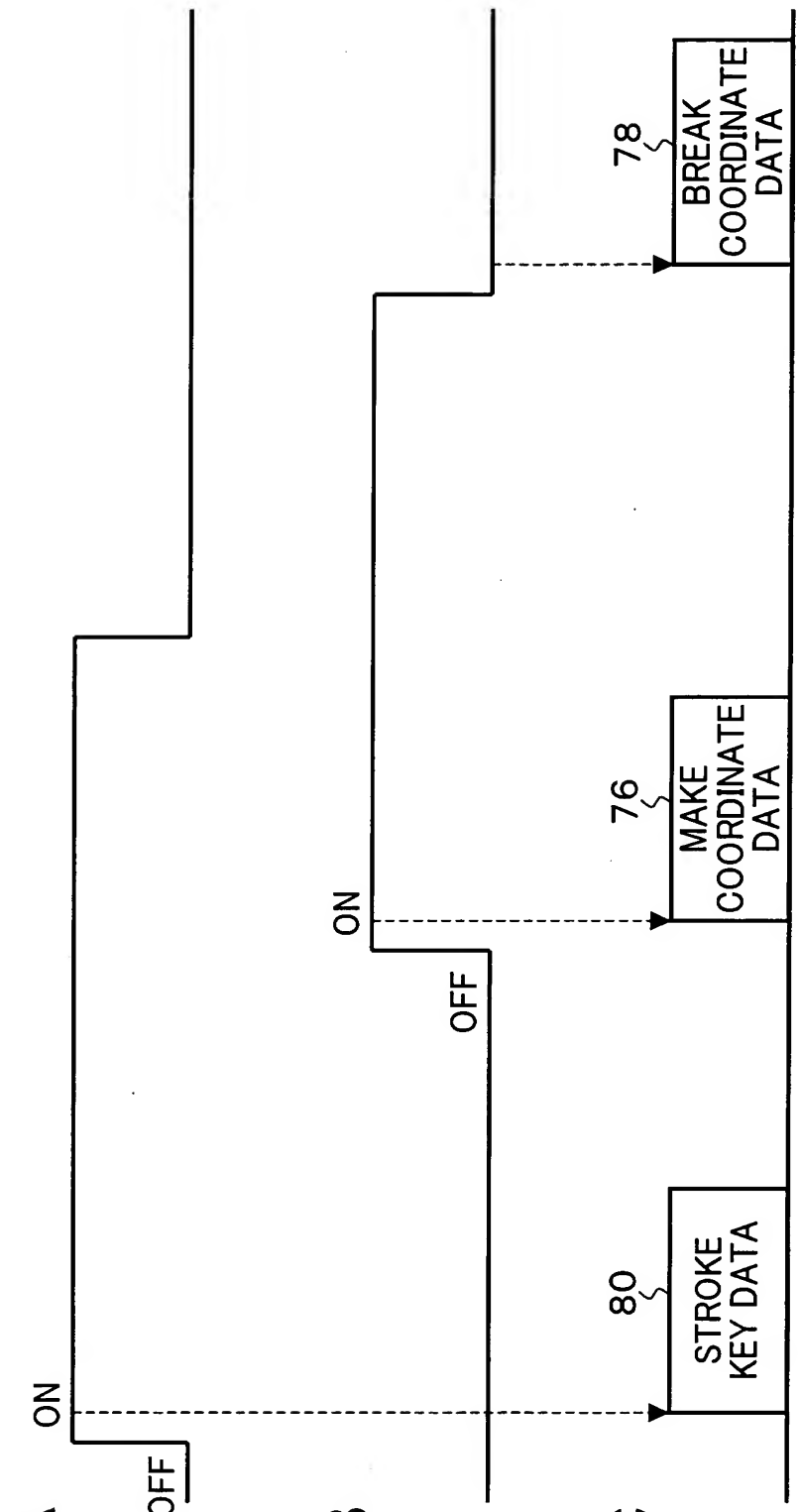


FIG. 6A
PHYSICAL KEY
ON
OFF
FIG. 6B
SCREEN KEY
ON
OFF
76
MAKE COORDINATE DATA
78
BREAK COORDINATE DATA
FIG. 6C
TRANSFERRED DATA
80
STROKE KEY DATA

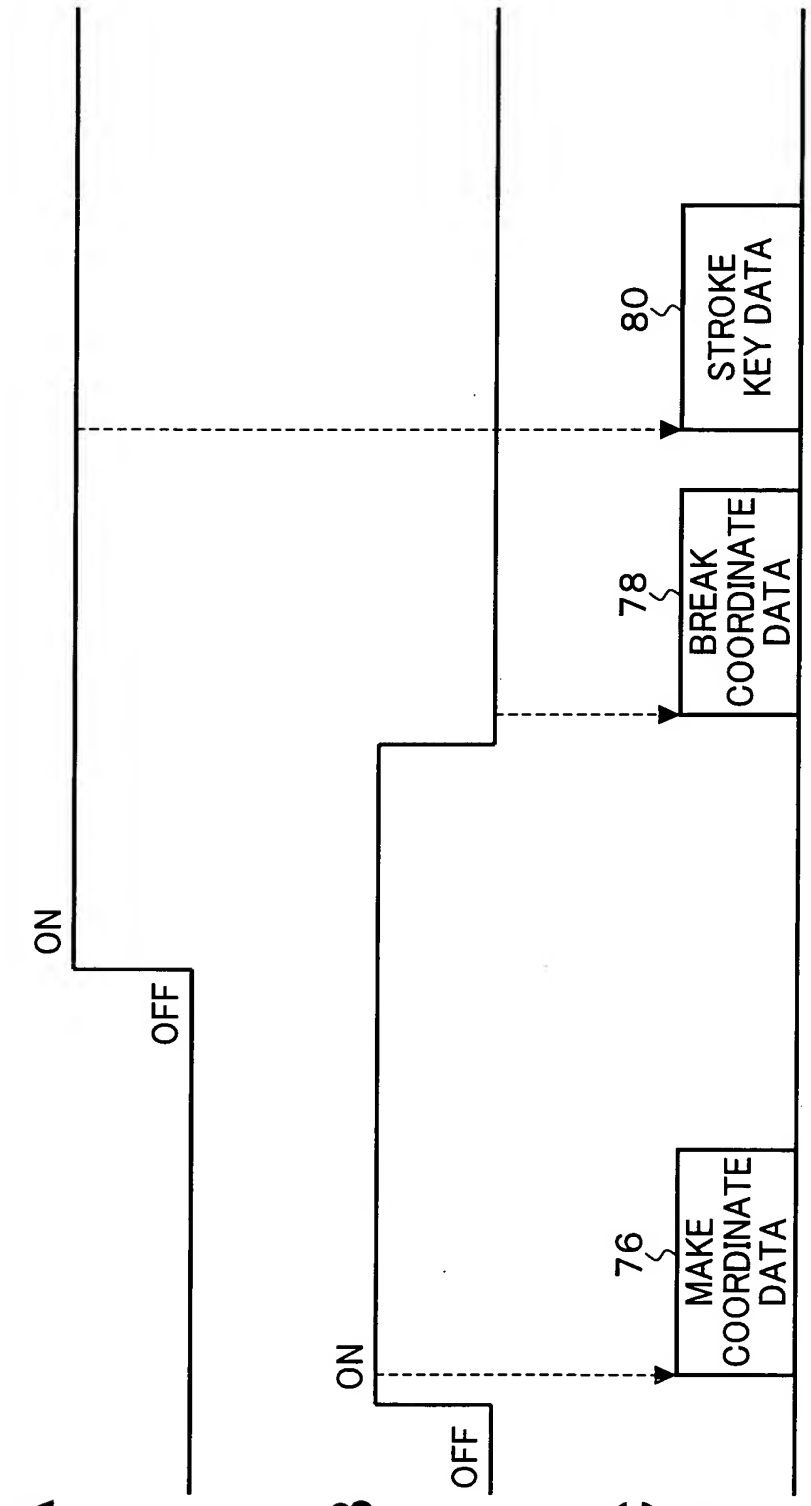


FIG. 7A

FIG. 7B

FIG. 7C

Title: INPUT INFORMATION PROCESSING APPARATUS, METHOD AND PROGRAM
Inventor's Name: HAYAMIZU
Application No.: new
Docket No.: 108131-00003

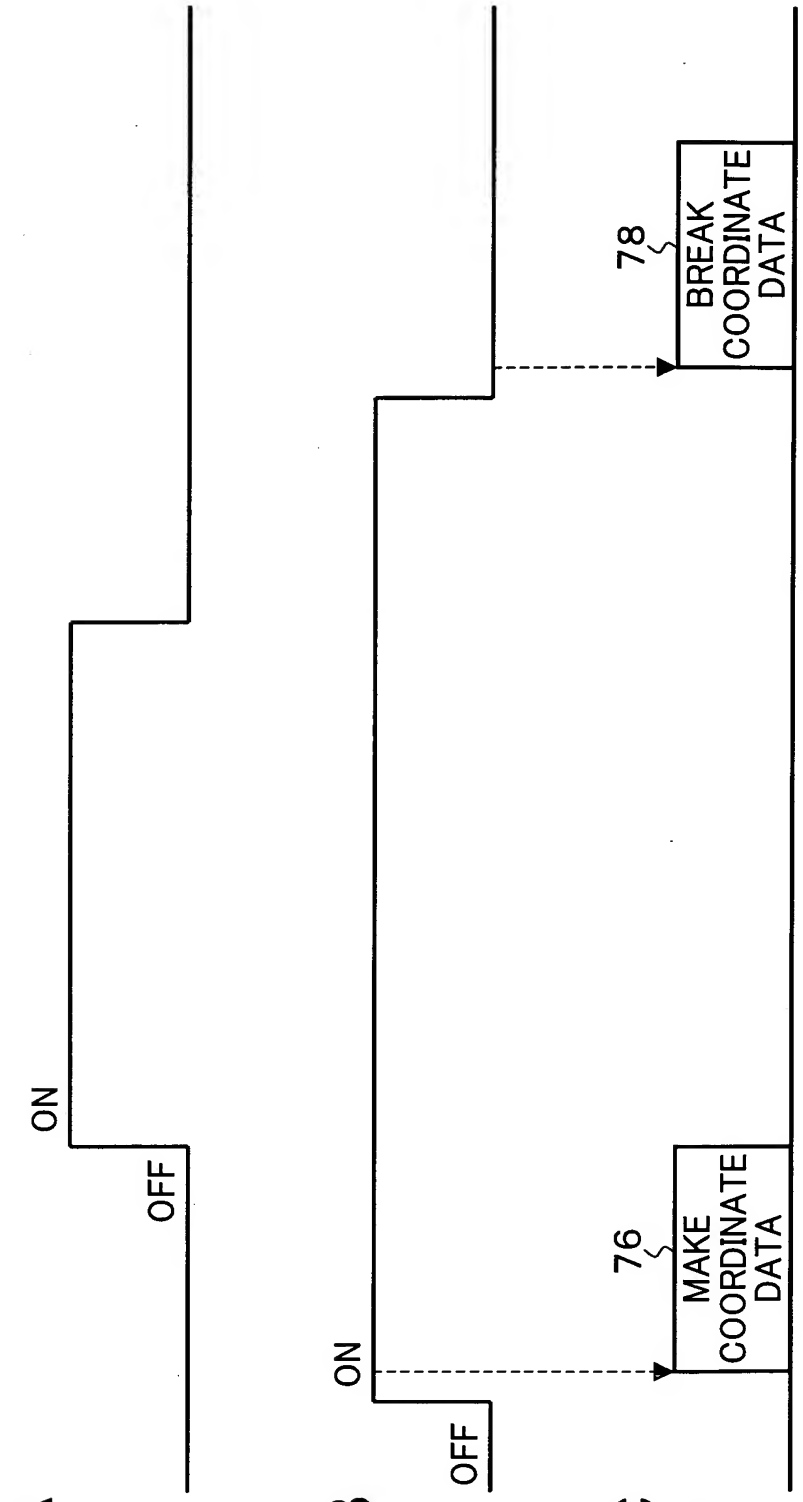
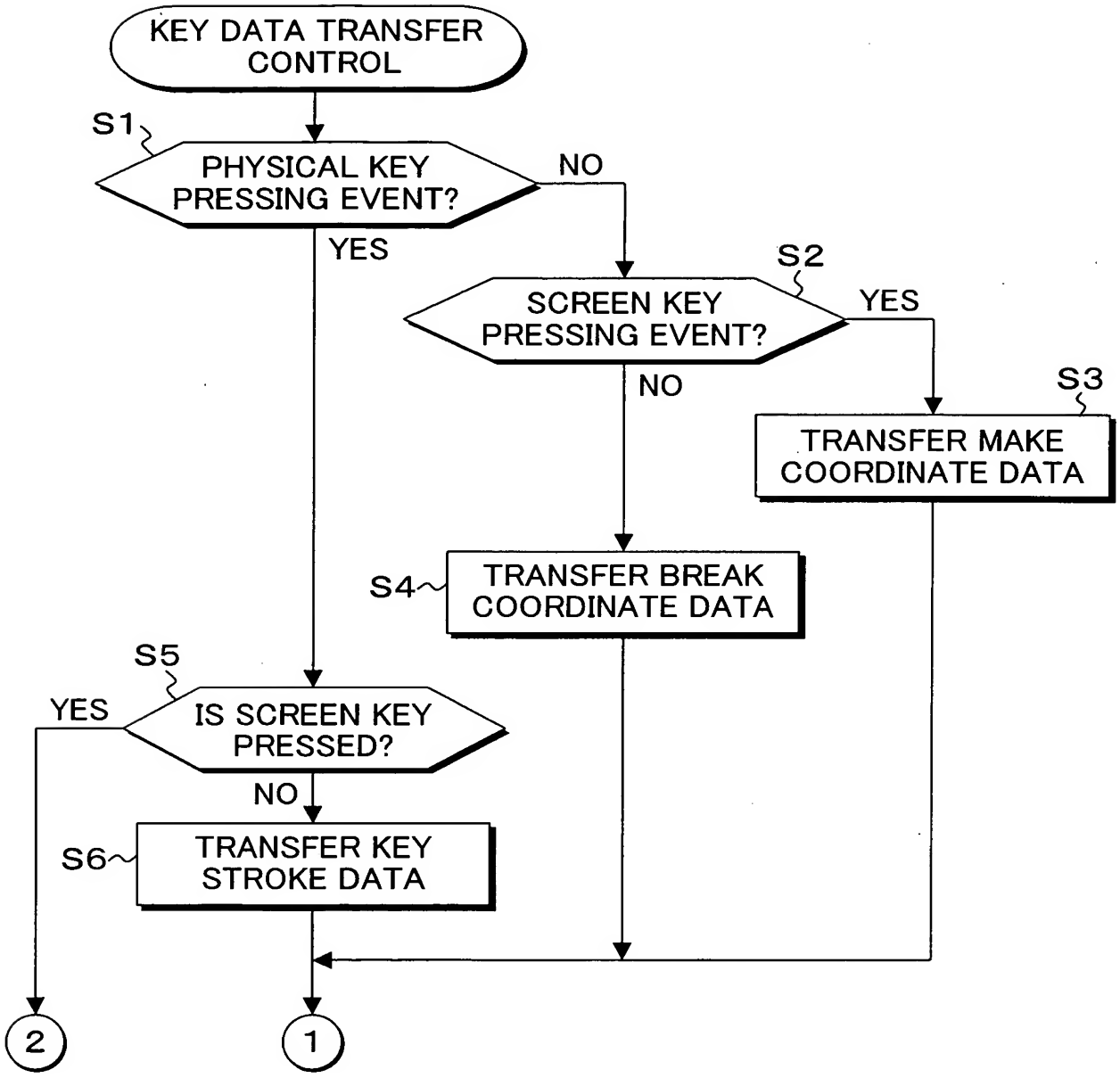


FIG. 9A


KEY DATA TRANSFER CONTROL
S1
PHYSICAL KEY PRESSING EVENT?
NO
YES
S2
SCREEN KEY PRESSING EVENT?
YES
NO
S3
TRANSFER MAKE COORDINATE DATA
S4
TRANSFER BREAK COORDINATE DATA
S5
YES
IS SCREEN KEY PRESSED?
NO
S6
TRANSFER KEY STROKE DATA
2
1

Title: INPUT INFORMATION PROCESSING APPARATUS, METHOD AND PROGRAM
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Application No.: new
Docket No.: 108131-00003

FIG. 9B

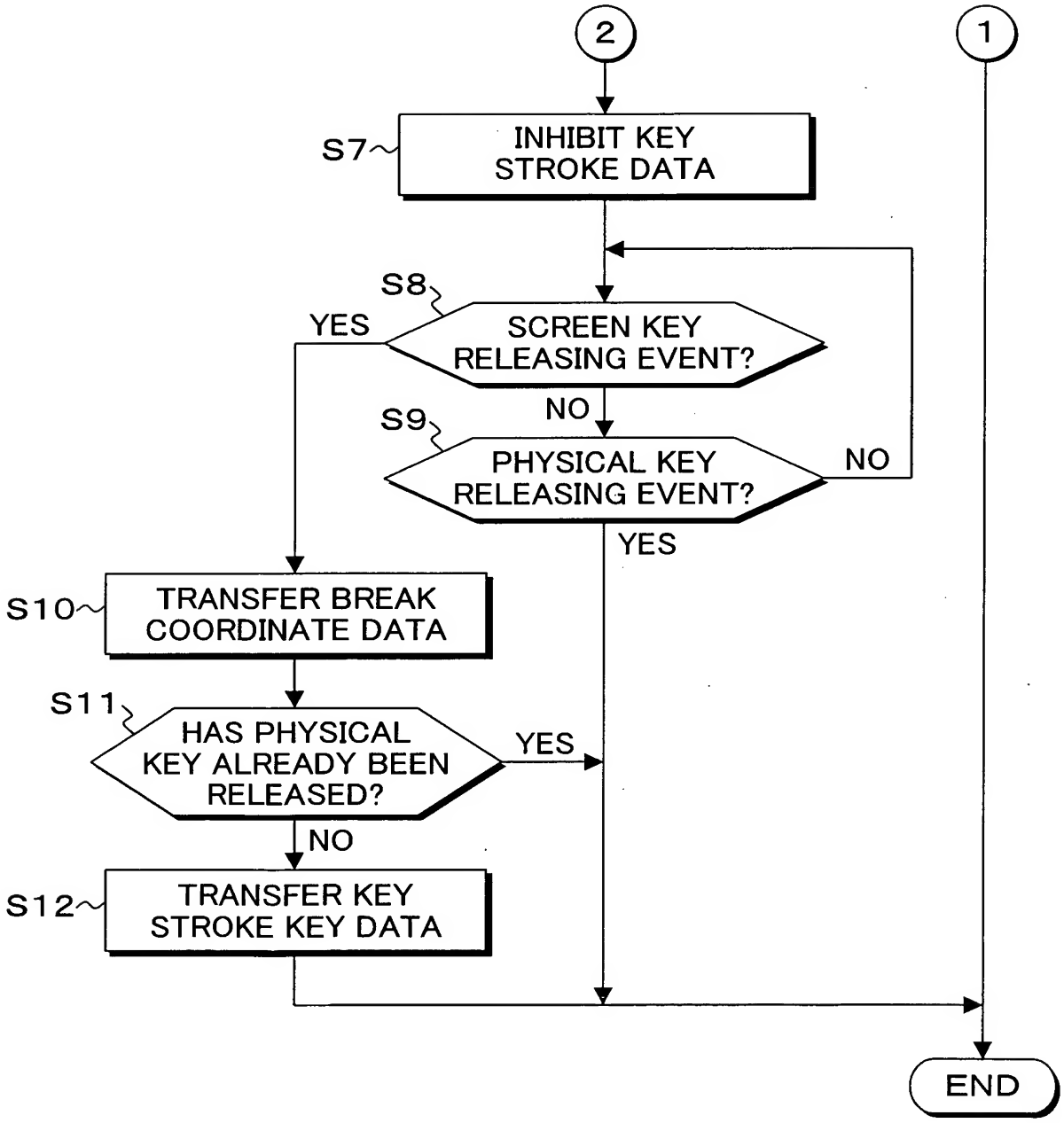


FIG. 10A

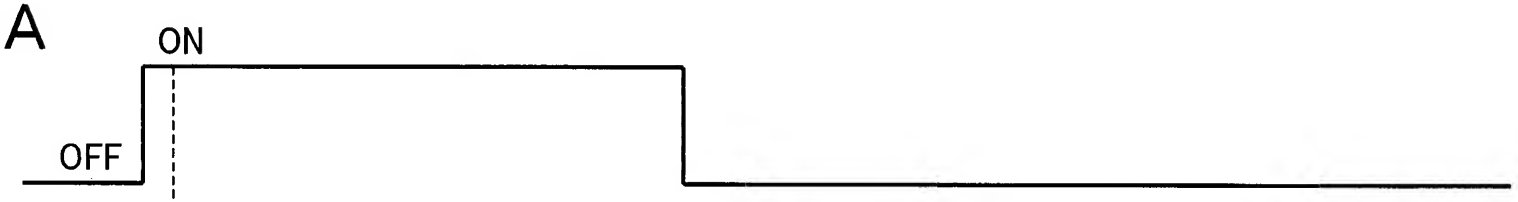


FIG. 10B

FIG. 10C

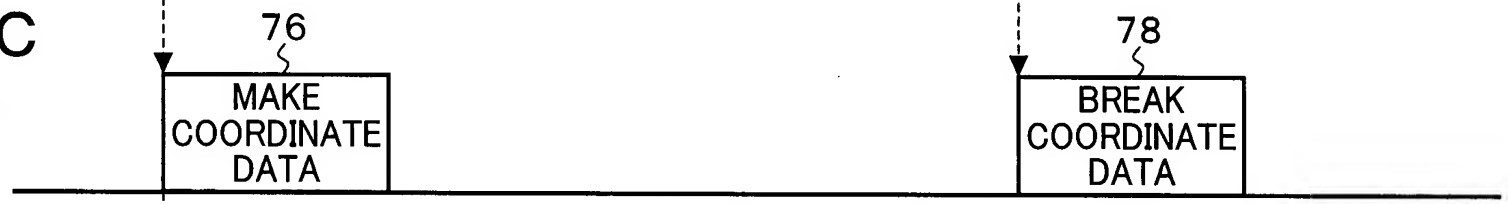
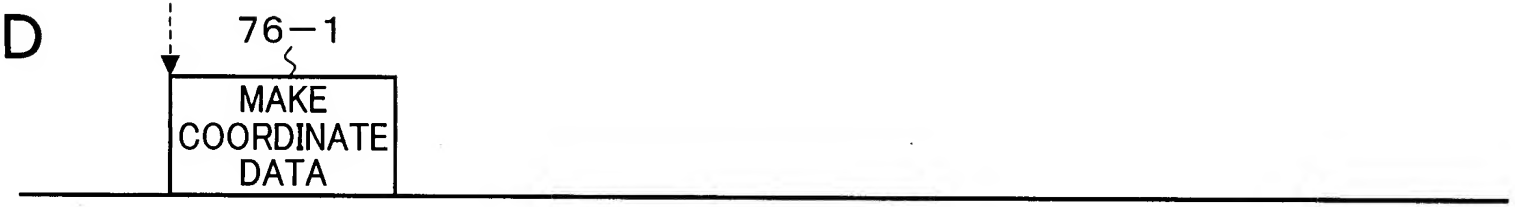


FIG. 10D



Title: INPUT INFORMATION PROCESSING APPARATUS, METHOD AND PROGRAM
Inventor's Name: HAYAMIZU
Application No.: new
Docket No.: 108131-00003

FIG. 11

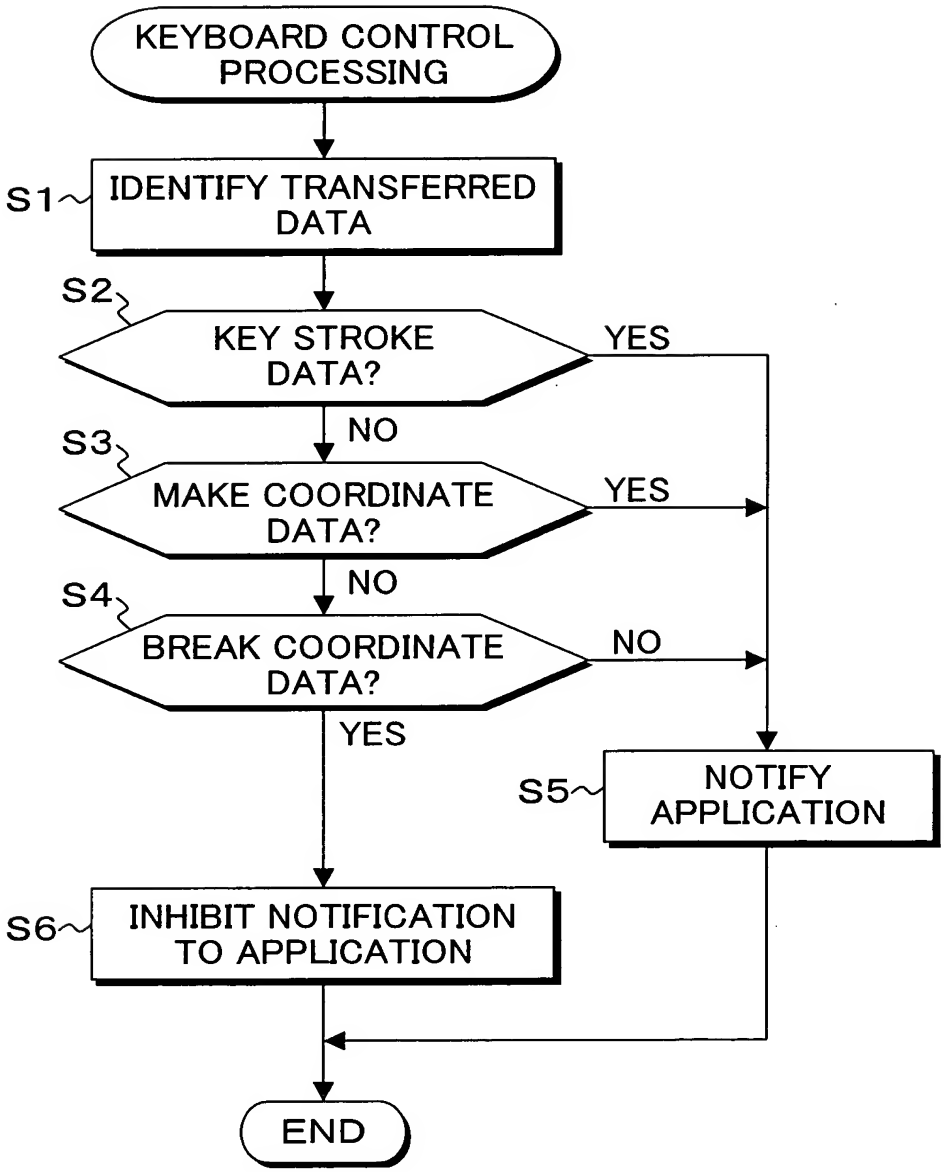

KEYBOARD CONTROL PROCESSING
S1
IDENTIFY TRANSFERRED DATA
S2
KEY STROKE DATA?
YES
NO
S3
MAKE COORDINATE DATA?
YES
NO
S4
BREAK COORDINATE DATA?
NO
YES
S5
NOTIFY APPLICATION
S6
INHIBIT NOTIFICATION TO APPLICATION
END

FIG. 12A

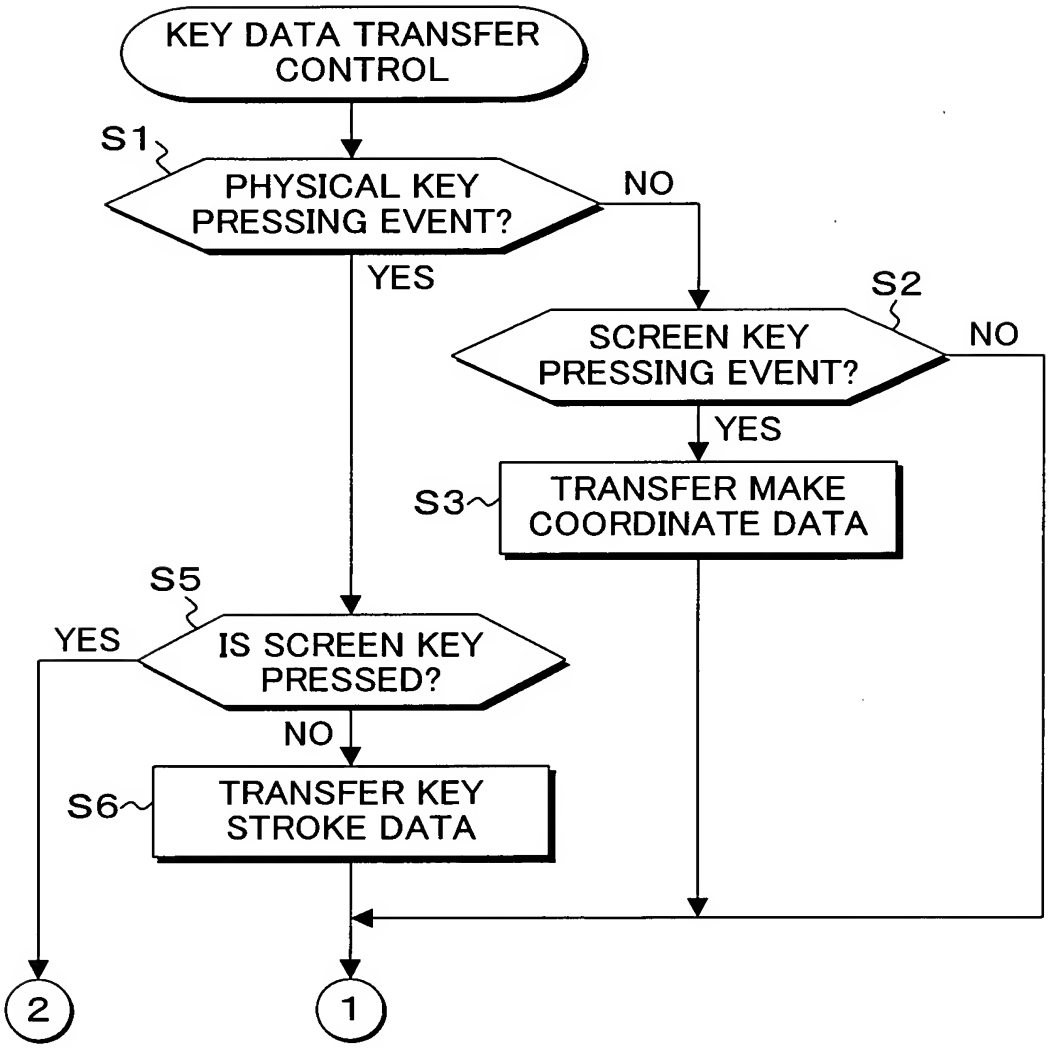
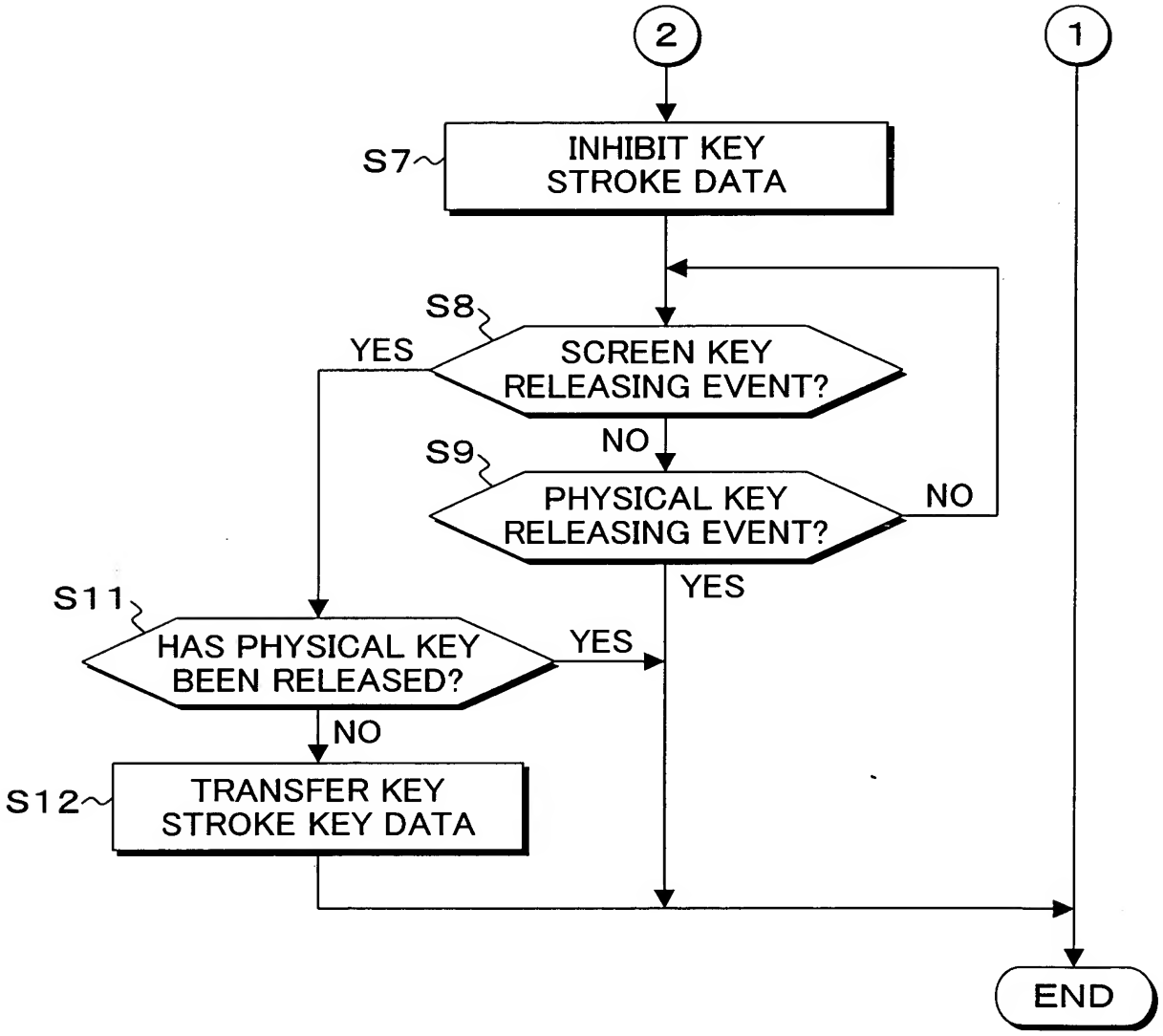

KEY DATA TRANSFER CONTROL
S1
PHYSICAL KEY PRESSING EVENT?
NO
YES
S2
SCREEN KEY PRESSING EVENT?
NO
YES
S3
TRANSFER MAKE COORDINATE DATA
S5
YES
IS SCREEN KEY PRESSED?
NO
S6
TRANSFER KEY STROKE DATA
2
1

FIG. 12B


2
1
S7
INHIBIT KEY STROKE DATA
S8
YES
SCREEN KEY RELEASING EVENT?
NO
S9
PHYSICAL KEY RELEASING EVENT?
NO
YES
S11
HAS PHYSICAL KEY BEEN RELEASED?
YES
NO
S12
TRANSFER KEY STROKE KEY DATA
END